

DERWENT-ACC-NO: 2000-127774

DERWENT-WEEK: 200281

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TITLE: Producing multiphase, shaped detergents or washing agents by covering shaped premix with melt-emulsion or -suspension of covering material containing dispersed active materials such as bleaches to give controlled release in use

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PATENT-ASSIGNEE: HENKEL KGAA[HENK]

PRIORITY-DATA: 1998DE-1031704 (July 15, 1998)

*(Application only, not yet published)*

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 59903265 G	December 5, 2002	N/A	000	C11D 017/00
DE 19851426 A1	January 20, 2000	N/A	020	C11D 017/00
WO 200004122 A1	January 27, 2000	G	000	C11D 017/00
EP 1095130 A1	May 2, 2001	G	000	C11D 017/00
EP 1095130 B1	October 30, 2002	G	000	C11D 017/00

DESIGNATED-STATES: CN CZ HU JP KR PL RU SK US AT BE CH CY DE DK ES  
FI FR GB GR  
IE IT LU MC NL PT SE AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL  
PT SE  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
DE 59903265G	N/A	1999DE-0503265	July 6, 1999
DE 59903265G	N/A	1999EP-0934578	July 6, 1999
DE 59903265G	N/A	1999WO-EP04675	July 6, 1999

DE 59903265G	Based on	EP 1095130	N/A
DE 59903265G	Based on	WO 200004122	N/A
DE 19851426A1	N/A	1998DE-1051426	November 9, 1998
WO 200004122A1	N/A	1999WO-EP04675	July 6, 1999
EP 1095130A1	N/A	1999EP-0934578	July 6, 1999
EP 1095130A1	N/A	1999WO-EP04675	July 6, 1999
EP 1095130A1	Based on	WO 200004122	N/A
EP 1095130B1	N/A	1999EP-0934578	July 6, 1999
EP 1095130B1	N/A	1999WO-EP04675	July 6, 1999
EP 1095130B1	Based on	WO 200004122	N/A

INT-CL (IPC): C11D001/825, C11D011/00, C11D017/00

ABSTRACTED-PUB-NO: DE 19851426A

#### BASIC-ABSTRACT:

**NOVELTY** - Producing multiphase, shaped detergents or washing agents comprises covering shaped premix with melt-emulsion or -suspension of covering material containing dispersed active materials such as bleaches to give controlled release in use.

**DETAILED DESCRIPTION** - Production of a multiphase, shaped detergent or washing agent comprises:

pressing a particulate pre-mix to form a shape with a hollow, preparing a melt-suspension or -emulsion containing a covering material of melting point above 30 deg. C having active material(s) dispersed in it; filling the shape with the composition prepared in (ii) at above the melting point of the covering material; and cooling and optionally post-treating the agent.

**USE** - The agent can be used for machine washing of textiles or dishes, as a bleaching- or water-softening-agent or in tablet form for stain removal.

**ADVANTAGE** - The agents give controlled release of actives such as bleaches, perfumes or enzymes at predetermined points in the washing cycle while still having good storage and transportation stability and a higher efficiency for a range of uses than prior-art products. This is achieved while retaining the maximum possible freedom in the choice of ingredients for the agents.

ABSTRACTED-PUB-NO: EP 1095130B

## EQUIVALENT-ABSTRACTS:

**NOVELTY** - Producing multiphase, shaped detergents or washing agents comprises covering shaped premix with melt-emulsion or -suspension of covering material containing dispersed active materials such as bleaches to give controlled release in use.

**DETAILED DESCRIPTION** - Production of a multiphase, shaped detergent or washing agent comprises:

pressing a particulate pre-mix to form a shape with a hollow, preparing a melt-suspension or -emulsion containing a covering material of melting point above 30 deg. C having active material(s) dispersed in it; filling the shape with the composition prepared in (ii) at above the melting point of the covering material; and cooling and optionally post-treating the agent.

**USE** - The agent can be used for machine washing of textiles or dishes, as a bleaching- or water-softening-agent or in tablet form for stain removal.

**ADVANTAGE** - The agents give controlled release of actives such as bleaches, perfumes or enzymes at predetermined points in the washing cycle while still having good storage and transportation stability and a higher efficiency for a range of uses than prior-art products. This is achieved while retaining the maximum possible freedom in the choice of ingredients for the agents.

**CHOSEN-DRAWING:** Dwg.0/0

**TITLE-TERMS:** PRODUCE MULTIPHASE SHAPE DETERGENT WASHING  
AGENT COVER SHAPE

PREMIX MELT EMULSION SUSPENSION COVER MATERIAL CONTAIN  
DISPERSE

ACTIVE MATERIAL BLEACH CONTROL RELEASE

**DERWENT-CLASS:** A25 A26 A97 D16 D25 E19

**CPI-CODES:** A12-W12A; A12-W12B; D11-A03; D11-B01; E06-D08; E07-D03;  
E07-D13B;

E10-A09A; E10-A09B7; E10-A13B2; E10-A15F; E10-E04K; E10-E04M3;  
E31-E; E31-K06; E33-D;

**CHEMICAL-CODES:**

Chemical Indexing M3 \*01\*

Fragmentation Code

H4 H402 H482 H5 H589 H8 M280 M312 M323 M332  
M342 M383 M393 M423 M510 M520 M530 M540 M620 M782  
M904 M905 M910 Q130 Q232 Q273 R038  
Specific Compounds  
02044K 02044M  
Registry Numbers  
2044U

Chemical Indexing M3 \*02\*

Fragmentation Code  
H4 H402 H482 H5 H589 H8 M280 M313 M323 M332  
M342 M383 M393 M423 M510 M520 M530 M540 M620 M782  
M904 M905 Q130 Q232 Q273 R038  
Specific Compounds  
23531K 23531M

Chemical Indexing M3 \*03\*

Fragmentation Code  
K0 L5 L532 L599 M210 M211 M262 M283 M312 M321  
M332 M342 M383 M391 M416 M620 M782 M904 M905 Q130  
Q232 Q273 R038  
Specific Compounds  
04637K 04637M

Chemical Indexing M3 \*04\*

Fragmentation Code  
F011 F012 F015 F423 H2 H211 J0 J011 J3 J371  
J5 J522 L9 L930 M220 M222 M231 M262 M281 M320  
M413 M510 M521 M530 M540 M782 M904 M905 Q130 Q232  
Q273 R038  
Specific Compounds  
A0MCKK A0MCKM

Chemical Indexing M3 \*05\*

Fragmentation Code  
G013 G100 J0 J011 J2 J241 K0 K4 K431 K432  
M220 M222 M231 M262 M281 M320 M414 M510 M520 M531  
M540 M782 M904 M905 Q130 Q232 Q273 R038  
Specific Compounds  
A07W6K A07W6M

Chemical Indexing M3 \*06\*

Fragmentation Code

C108 F014 F018 F653 H181 K0 K421 L145 L721 M210  
M211 M272 M273 M281 M311 M320 M321 M342 M349 M381  
M391 M413 M510 M521 M530 M540 M620 M650 M782 M904  
M905 Q130 Q232 Q273 R038  
Specific Compounds  
A11M6K A11M6M

Chemical Indexing M3 \*07\*

Fragmentation Code  
H4 H401 H481 H5 H581 H582 H583 H584 H589 H8  
L660 L699 M210 M211 M212 M213 M214 M215 M216 M220  
M221 M222 M223 M224 M225 M226 M231 M232 M233 M272  
M281 M311 M312 M313 M314 M315 M316 M321 M322 M323  
M331 M332 M333 M340 M342 M383 M391 M392 M393 M416  
M620 M782 M904 M905 Q130 Q232 Q273 Q616 R038  
Markush Compounds  
200012-46301-K 200012-46301-M

Chemical Indexing M3 \*08\*

Fragmentation Code  
A111 A940 C106 C108 C530 C730 C801 C802 C803 C805  
C807 M411 M782 M904 M905 M910 Q130 Q232 Q273 R038  
Specific Compounds  
01287K 01287M  
Registry Numbers  
1287U

Chemical Indexing M3 \*09\*

Fragmentation Code  
A111 A940 B115 B702 B713 B720 B815 B833 C108 C802  
C803 C804 C805 C807 M411 M782 M904 M905 M910 Q130  
Q232 Q273 R038  
Specific Compounds  
01756K 01756M  
Registry Numbers  
1756U

Chemical Indexing M3 \*10\*

Fragmentation Code  
A111 A940 B105 B701 B711 B720 B803 B831 C408 C802  
C803 C804 C805 C807 M411 M782 M904 M905 M910 Q130  
Q232 Q273 R038  
Specific Compounds

01698K 01698M 04024K 04024M 04025K 04025M

Registry Numbers

1698U

Chemical Indexing M3 \*11\*

Fragmentation Code

D000 D810 M280 M320 M412 M511 M520 M530 M540 M782

M904 M905 M910 Q130 Q232 Q273 R038

Specific Compounds

00615K 00615M

Registry Numbers

0615U

Chemical Indexing M3 \*12\*

Fragmentation Code

C017 F011 F012 F013 F014 F016 F580 H2 H212 J5

J523 K0 K1 K130 K199 L9 L910 L999 M280 M320

M413 M510 M521 M530 M540 M782 M904 M905 M910 Q130

Q232 Q273 R038

Ring Index

00212

Specific Compounds

01603K 01603M

Registry Numbers

1603U

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0615U; 1287U ; 1603U ; 1698U ;  
1756U ; 2044U

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1]

018 ; P8004 P0975 P0964 D01 D10 D11 D50 D82 F34

Polymer Index [1.2]

018 ; P8015 P0975 P0964 D01 D10 D11 D50 D83 F34

Polymer Index [1.3]

018 ; ND01 ; Q9999 Q7045 Q7034 ; N9999 N7330 N7023 ; K9610 K9483  
; K9687 K9676 ; K9712 K9676

Polymer Index [2.1]

018 ; R00113 G1070 G0997 D01 D11 D10 D50 D83 F29 F26 ; H0000 ; H0237\*R  
; M9999 M2186 ; P0975\*R P0964 F34 D01 D10

Polymer Index [2.2]

018 ; H0077 H0044 H0011 ; H0260 ; P0975\*R P0964 F34 D01 D10 ; P1445\*R  
F81 Si 4A

Polymer Index [2.3]

018 ; ND01 ; Q9999 Q7045 Q7034 ; N9999 N7330 N7023 ; K9610 K9483  
; K9687 K9676 ; K9712 K9676

Polymer Index [2.4]

018 ; Q9999 Q9110

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C2000-039213